NEWSLINE

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What's **INSIDE**

LLNL TRANSITION INFO

'PROCESS' PHASE MOVES ALONG PAGE 2

EVERY VOTE COUNTED PAGE 5

TEACHERS PREP PAGE 8

shimmering science

page 4

2007 TRANSITION NEWS

Non-exempt employees to see paycheck changes

Non-exempt (hourly) employees will soon be receiving a letter from payroll outlining changes to the timing of paychecks for the months of September and October 2007 and a change in the frequency of certain deductions beginning Oct. 1.

In order to close out the UC contract on Sept. 30, non-exempt employees will receive two paychecks on Sept. 28. "Employees will be receiving their normal pay period check and a final UC paycheck for the remaining eight workdays in September," said Barbara Peterson, transition manager

The first paycheck to non-exempt employees under LLNS will be issued on Oct. 12 and will cover the period Oct. 1-6 (six days). After the special Oct. 12 check, the normal bi-weekly payroll schedule for non-exempt employees will resume on Oct. 26 - covering a full two week period, Oct. 7-20.

Beginning Oct. 1, the frequency to deductions for health and welfare, FSA deductions, and general deductions will be prorated and deducted from 24 of the 26 paychecks per year. All deductions will be taken from the first two paychecks of each month with the exception of 401(k) elections which will be deducted from every paycheck.

For further information on these payroll changes, contact Payroll at 2-9132.

NON-EXEMPT EMPLOYEES PAID BIWEEKLY

October - December 2007
Non-Exempt Employees Pay Schedule

Period Ending	Pay Date
Oct. 1 – 6	Oct. 12
Oct. 7 – 20	Oct. 26
Oct. 21 – Nov. 3	Nov. 9
Nov. 4 – 17	Nov. 21
Nov. 18 – Dec. 1	Dec. 7
Dec. 2 – 15	Dec. 21

JACQUELINE MCBRIDE/NEWSLINE

Hundreds of retirees attended the remaining benefits meetings this week put on by Lawrence Livermore National Security, LLC and University of California representatives. Lynn Soderstrom of LLNS and Judy Ackerhalt of UC hosted retirees Tuesday and Wednesday at the Shrine Event Center in Livermore. Retirees also had the opportunity to ask questions.

'Blue sheeting' of policies, procedures complete

Members of the Lawrence Livermore National Security, LLC (LLNS) transition team are nearing completion of a process called "blue sheeting," a review of the Lab's policies and procedures.

Blue sheeting falls under the "processes" phase of transition, in which LLNS must review, endorse or offer a change process for all Laboratory policies and procedures for LLNS use beginning Oct. 1.

Transition team members reviewed more than 700 policies and procedures in the blue-sheeting process. Blue sheeting is not intended to yield major changes or significant revisions to policies and procedures, explained Jerry Pettis, the LLNS transition team member who is leading the process.

Rather the process is one of many steps LLNS is undertaking to ensure it is ready to assume management of the Lab on Oct. 1. During the blue-sheeting process, policies or procedures are identified for use by LLNS "as is," with minor changes, with major changes or with the caveat that major changes will be implemented in the future.

If revisions are necessary prior to Oct.1, LLNS will coordinate with Lab managers on creating reasonable changes under an acceptable timetable. This includes support for training the workforce in preparation for implementing any changes.

As part of the transition process, LLNS will post all blue sheeted policies and procedures online for employee review, "so that they may understand and properly inquire about any amended work requirements," Pettis said.

Transition team to assess the Lab's property system

As part of the "processes" phase of the transition, the LLNS transition team will begin an assessment of the Lab's property system on Monday, Aug. 20. The team will be comprised of individuals from LLNS, LANL, NNSA Service Center and UC.

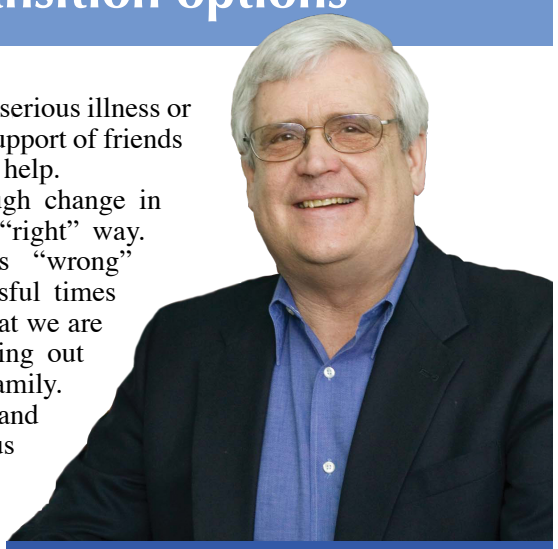
The purpose of the review is to assess property management processes and validate the inventory results in preparation for the transfer of property from UC to LLNS. Validation may include visiting work areas to confirm the property items. A minimum of 300 items will be selected for review.

Property center representatives, subject matter experts and directorate management have been briefed on the assessment process as it relates to their particular areas.

The visits should be transparent to employees. The team is planning to complete their review by Friday, Aug. 31.

PEOPLE PLACES PROCESSES

Employees encouraged to carefully review contract transition options



From the Director

-George Miller

With six weeks to go before the Lawrence Livermore National Security, LLC (LLNS) management contract goes into effect, I wanted to provide an update on the transition process and thank you for your patience these past two months as we've rolled out a lot of changes to all sectors of the Laboratory community. Offer letters are out, benefit meetings have been presented and facility walk downs are almost complete. We are now turning attention to reviewing our institutional procedures and accomplishing some of the internal checks and balances necessary for a smooth transition. In today's issue of Newsline, you can read more about this "process" phase and where we are on some of the policy and procedural reviews.

If you haven't already made your personal decision regarding your job offer from LLNS and selected your benefits package, I would encourage you to do so. The deadline for accepting a LLNS job offer is just a month away (Sept. 17).

Please take full advantage of the various hotlines, Websites and counseling sessions provided by LLNL, UC and LLNS to obtain the necessary information so that you can make the decisions that best meet your individual needs. In spite of being very familiar with the options and issues, I found it very helpful to get the advice of an independent financial adviser to understand the implications of various choices and to determine what are reasonable actuarial assumptions for things like rates of return or inflation.

It's important to remember that this is an individual decision. There is no "preferred" choice between TCP1 and TCP2. Every employee has to make his or her own decision based on individual financial situations, plans for the future, etc. I strongly encourage that you not to be swayed by rumors you might hear that a "majority" of employees are selecting a particular option for some particular reason. Follow the same procedures you use at work—carefully and objectively examine the data. What really matters is selecting the option that is right for your future.

I've received a lot of e-mails from Laboratory employees reminding me how important it is to take care of ourselves and our co-workers. I couldn't agree more. If you notice a colleague having trouble, be a friend. Sometimes, all we need to know is that we're not the only one dealing with such issues. Just as you may have found in dealing with a divorce, a serious illness or trouble with a teenage child, the support of friends or coworkers can be an enormous help.

Everyone has to work through change in their own way. There's no one "right" way. There are, however, numerous "wrong" ways. In particular, during stressful times like this, we need to be careful that we are not expressing our anger or taking out our frustration on colleagues or family. This undermines the friendships and support networks that can help us through the rough times and hard choices.

Sometimes people may need more help than friends, family or coworkers can provide. Take advantage of the services offered by the Lab's health service providers. The Laboratory has a long-standing Employee Assistance Program (EAP) with onsite counselors and other resources. You can contact EAP at 3-6609 or http://www-r.llnl.gov/healthserv/php/eap.php—that's why they're there.

I like to continuously remind myself of a few simple truths — that today is the connection between yesterday and tomorrow. We are changing by building on our Laboratory's collective proud heritage toward an even brighter future in the nation's interest. And with change comes opportunity. We have an outstanding workforce, a compelling and enduring mission and the nation needs us. With all of us working together, I am confident that we can realize the goals we have set for ourselves.

TRANSITION REMINDERS

VACATION ELECTION

A vacation cash-out decision must be made by Aug. 30. For employees continuing employment with LLNS, they may either cash out their UC vacation balance in full, carry over their accrued vacations hours to LLNS or cash out the balance in full and defer it to a tax-exempt account. No partial cash-outs or carry-overs will be allowed.

Employees who opt to cash out their vacation are subject to tax withholding of 25 percent federal and 6 percent state tax rate. Employees also may cash out their vacation but defer it to one or more of their UC retirement savings plans (subject to IRS limitations). These tax-deferred amounts cannot be 100 percent of an employee's vacation cash-out because it is subject to Federal Insurance Contributions Act (FICA) and Medicare tax.

A vacation cash-out calculator is available on the Livermore Payroll Website (https://www-cfo.llnl.gov/organization/ad/pr/) to help estimate cash-outs and potential tax impacts; however, employees are urged to weigh their options carefully and discuss potential tax consequences with their tax advisers or the Internal Revenue Service.

To make a vacation election, go to the Livermore Administrative People Information System (LAPIS) at http://www-r.llnl.gov/lapis.

457(b) CHANGES

Employees must make any last changes, including starting contributions to their 457(b) by Aug. 31. The changes will affect the final UC paycheck for employees who contribute to the 457(b).

403(B) LOANS

Employees who plan to take a loan from their 403(b) must do so by Aug. 31. Employees have until Sept. 14 to make any final changes to their 403(b) contributions. In addition, Sept. 14 is the last day to make tax and direct deposit changes to affect the final UC paychecks through LAPIS athttp://www-r.llnl.gov/lapis.

CalPERS long-term care

Employees have until Friday, Aug. 31, to enroll in the CalPERS long-term care program. Note: employees currently enrolled in CalPERS long-term care plan and those choosing to enroll by Aug. 3 can continue this plan after transition. To enroll, contact http://www.calpers.ca.gov.

Vacation cashout election deadline approaching

Employees who have not made their personal vacation cash-out election decision via the LAPIS online system will soon receive a letter from the Payroll department reminding them to do so. The deadline for making the vacation cash-out election is rapidly approaching — Aug. 30 at 5 p.m. "This is an active decision all employees need to make," said Barbara Peterson, transition manager. "Employees should not assume that no action means a rollover of the status quo."

According to Peterson, employees who fail to make an election or whose deferral is greater than their allocated vacation pay will default to vacation cash-out with no deferral. Once the pay-out occurs, it is an irrevocable decision and will be subject to supplemental tax withholding rates plus Social Security and Medicare, if applicable. The additional income will be included in W2s for 2007.

"This is an important first decision that all employees need to make. Over the next six weeks we have many decisions that need our attention and so I hope everyone is referencing the transition timeline chart on a regular basis," said Peterson.

LAPIS self service can be accessed at https://lapis.llnl..gov. To assist in estimating your vacation cash-out amount, click on the link to the estimator at https://www-cfo.llnl.gov/organization/ad/pr.

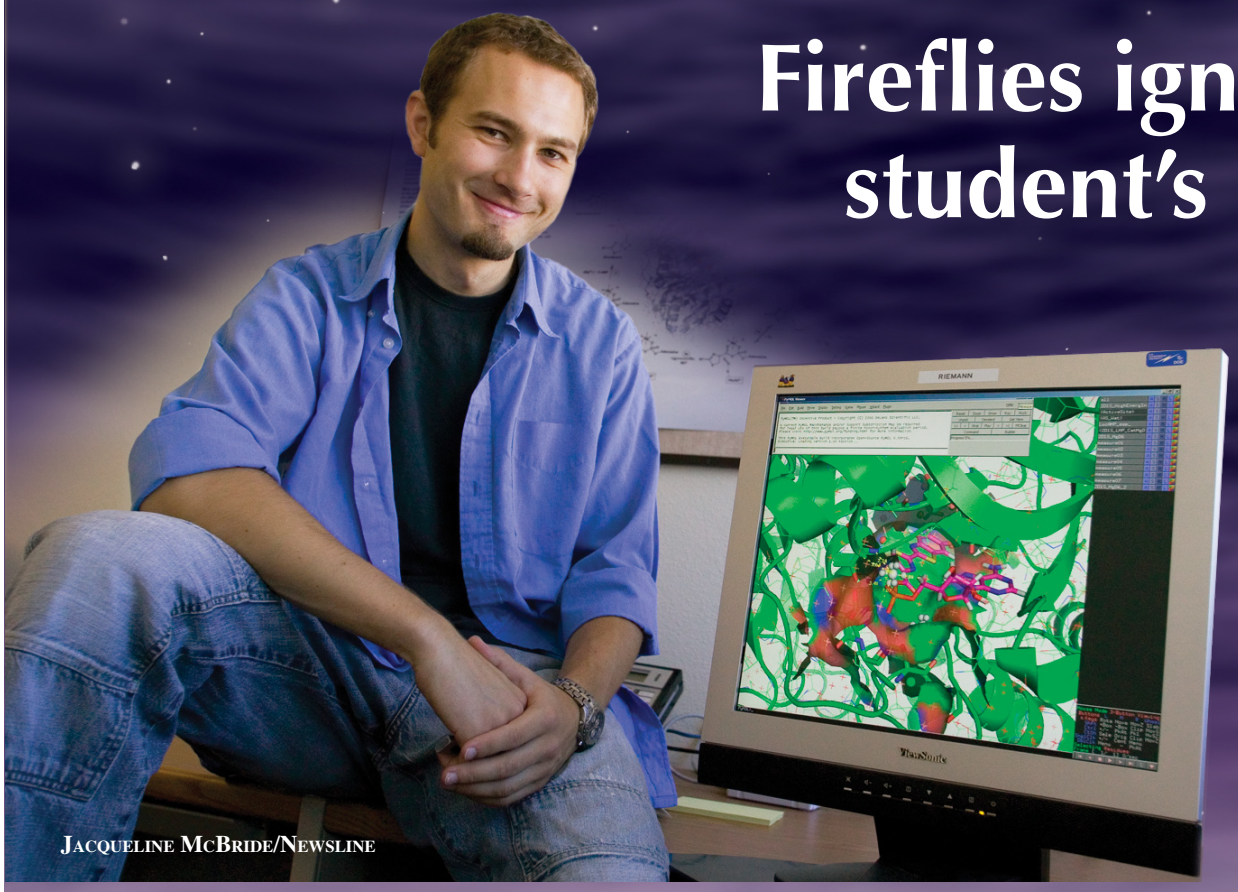
The payroll department issued the following reminders for those employees desiring a deferral to their 403(b) or 457(b):

- Employees may not defer 100 percent of gross pay because it is subject to Social Security and Medicare withholding where applicable.
- Deferrals must allow the payroll system to generate a net payroll payment to you of $6.00 or more.

Employees who have questions on this process are advised to contact Payroll at 2-9132.

Fireflies ignite student's research

By Nancy Garcia
Newsline staff writer



JACQUELINE MCBRIDE/NEWSLINE

"It's nature's way of cheating, favoring one molecule over all the others."

- Gert Kiss

Gert Kiss, a Computational Chemistry and Materials Science intern, uses complex computer simulations to understand bioluminescence.

Summer is a prime time to see fireflies punctuating the dusk with dots of light that blink amid woods and leafy undergrowth. For Computational Chemistry and Materials Science intern Gert Kiss, this summer also has been a time to use complex computer simulations to deduce how those beetles' bioluminescence occurs, discerning finer details than ever previously known to assist in the creation of new-generation imaging probes for research and medicine.

He is striving to clarify reaction mechanisms that have proved too brief and elusive for direct observation. Among its potential applications, the work could help create tracers to track and treat prostate cancer.

A native of Germany, Kiss began a doctoral program in physical chemistry at the UCLA last year, following his undergraduate work at the University of Heidelberg, which had been the birthplace of many historical advances in chemistry.

This work, in collaboration with Julie Perkins and Brian Bennion, relates to his graduate thesis research to understand and model enzymes so they can be designed for specific purposes, such as neutralizing a cytotoxin. Enzymes are biological proteins that catalyze chemical reactions, accelerating the making or breaking of bonds by bringing active parts of molecules into close proximity and creating a favorable electronic environment for the reaction.

"It's nature's way of cheating, favoring one molecule over all others by allowing it to pass through – rather than climb over – the activation barrier for a reaction," Kiss said.

Bioluminescence is an enzyme-catalyzed chemical process that generates light without heat. Used by fireflies to signal fellow insects, the feat is also possessed by sea creatures ranging from surface-dwelling bacteria to denizens of the dark sea floor. Energy in the form of a photon is released when a substrate, luciferin, reacts with oxygen under influence of an enzyme. Similarly, chemiluminescence is employed in modern-day light sticks or flares.

The phenomenon has been extensively investigated for more than 30 years, Kiss said.

In the flask, luminescence is achieved only by "brute force," spurred by an atmosphere of pure oxygen and presence of strong bases. In nature bioluminescence produces light with greater than 90 percent efficiency as the enzyme, luciferase, first adds oxygen and then cleaves carbon dioxide from the substrate.

However, the identities of unstable chemical intermediates that presumably interconnect these steps are subject to conjecture. "It's just been very tough," Kiss said. "The proposed intermediates are so volatile that it is impossible to observe them in an even remotely physiological setting. Therefore, despite decades of research, there is still no direct experimental evidence for whether these or possibly other key molecules are involved in bioluminescence."

Theoretical and computational studies could help clarify. Kiss applies quantum mechanical methods to follow the reaction path and to explore a number of plausible scenarios for the mechanism. Based upon his calculations, he aims to construct a concise working model of the catalytic cycle in order to tune the reaction to screen for specific illnesses and use bioluminescence to light up affected cells. Ultimately, the group wants to design the next generation of imaging probes. The advantage will be doing without current trade-offs of either over-labeling, which generates high background noise, or needing expensive, high-resolution detectors.

"We hope it will be more sensitive than current immunoassays," Perkins said about the project to develop probes for prostate cancer. Her collaborator on that project, Dr. Chris Contag of Stanford University, has pioneered bioluminescent probes that measure protein-cleaving enzymes, such as prostate-specific antigen (PSA). A PSA blood test is used to screen for prostate cancer.

One advantage of these probes is measuring enzyme activity, which may reveal diagnostic information. Perkins has been carrying out assay experiments with her post-doctoral fellow, Amy Gryshuck, for a couple of years. That work is funded by the National Science Foundation's Center for Biophotonics and UC Davis. She also develops assays for foot and mouth disease.

"In the prostate detection research, the concept is to create a probe engineered so that the protein-cleaving PSA would set free the substrate for luciferase and initiate the bioluminescence reaction," Kiss said. "Overall, it should be possible to create probes that emit different colors and can screen for an array of enzymes."

The quantum mechanical code is accurate but computationally costly so that many of the simulations Kiss is creating take up to several days to run. He has been submitting several calculations at a time to explore different reaction pathways in parallel, not feeling he had the luxury to wait long during his 11-week stay at the Laboratory. "With a little bit of luck", he said, "our efforts are bound to make an impact on the field, which is highly exciting and motivating."

Looking back at his time at LLNL, Kiss would like to particularly acknowledge his mentor Brian Bennion and Felice Lightstone. "They have provided me with such great resources over the past weeks and generated this intellectually stimulating environment in which it is nothing but a pleasure to work," he said.

When he returns to his graduate program in the fall, he will continue to work on the project with the goal of publishing the results in a peer-reviewed scientific journal. His internship at LLNL was funded in part by the Department of Energy Center for Computational Biology at UC Merced.

NOTABLE NEWS

Bridging the e-voting gap to ensure reliability, security

By Linda Lucchetti
Newsline staff writer

For David Jefferson, a five-year Lab employee and computer scientist in Computations' Center for Applied Scientific Computing, his career expertise carries over to a serious personal mission — analyzing the reliability and security of computerized voting.

Jefferson's latest findings can be seen in the article "What Happened in Sarasota County?" in this summer's issue of *The Bridge* — a journal of the National Academy of Engineering — devoted solely to voting technology topics.

Jefferson is one of the leading U.S. computer scientist experts on voting system technology and security, and has produced a long list of publications, studies, testimony and lectures over the past eight years on that subject.

Jefferson's article in *The Bridge* examines what went wrong during a November 2006 election in Sarasota County, Fla., when almost 18,000 people who voted electronically left the polls without recording a vote in the congressional race, which was considered the hottest race on the ballot. This was a far higher under-vote rate (14.9 percent) than normally expected in such races, so clearly something was very wrong.

"Because the only voters affected were those who voted electronically in Sarasota County, and not those who voted in other counties, or by absentee ballot, the problem clearly was associated with the ES&S iVotronic voting machines used in that election," Jefferson said. "The issue is extremely important because the voting patterns in the district clearly indicated that, had those missing votes been recorded and been split between the candidates in the same proportion as the others in Sarasota County, then Democrat Christine Jennings, the losing candidate, would have won, instead of the declared winner, Republican Vern Buchanan."

He became involved in the Sarasota electronic-voting failure last year after attending Supercomputing 2006 (SC06) in Tampa, Fla. He knew about the problem and planned to offer his services while he was there. He conducted considerable personal investigation in consultation with colleagues from around the country, which eventually led to writing the article that appeared in *The Bridge*.

Jefferson structured his analysis on three hypotheses about what might have caused the problem: malicious code in the voting machines, a software bug, or misleading ballot layout on the screen. Although ballot layout eventually seemed the most likely cause, the study shed light on some technical problems that need to be resolved in voting systems in general — lack of attention to human-computer interface; difficulty in building software that is correct, reliable and secure for public elections, and the need for auditability and end-to-end verification of votes.

"In the last eight years, there has been a massive shift away from the lever and punch card methods of voting toward optical scan and electronic voting systems," Jefferson said. "I am one of a handful of computer scientists looking closely at the security vulnerabilities of these new systems."

Jefferson has been analyzing the electronic voting process in California and other states for many years. Three years ago, he was asked to be the chair of the California Secretary of State Voting Systems Technology Assessment and Advisory Board. His earliest contribution was the creation of the very first voter information Website anywhere, for the California Secretary of State in 1994 during the time of the reelection of Gov. Pete Wilson.

Jefferson says he is proud to be affiliated with the state advisory board, a voluntary, mostly non-compensated appointment, and admits that the challenge has become "an all-consuming activity."

"I consider election security to be an important aspect of national security," he said. "My goal is to assure that neither election error nor election fraud can be used to change the leadership of the nation or of any state. The legitimacy of democratic government depends on the free, fair and secure elections."

University of California President Dynes to step down

University of California President Robert Dynes, a first-generation college graduate and renowned physicist who rose to become president of the world's most prestigious public university system, announced Monday his plan to step down as president by June 2008.

The Dynes presidency, which began in October 2003, will end at the nearly five-year mark he had initially set for himself for serving as head of the 10-campus system, and paves the way for the 64-year-old to focus on his personal life, including a new marriage and his continuing research into superconductivity.


Robert Dynes

"When I took this job, I decided where and when it would be time for someone else to take the reigns of the University of California," Dynes said during a press conference Monday. "I have recently married in March and it's time for me to spend time with my wife."

Dynes announced that Provost and Executive Vice President Wyatt Hume would act as the university's chief operating officer, in addition to his other academic and health affairs duties. This appointment is effective immediately and will continue until a new president is named.

Over the remaining months of his presidency, Dynes indicated that he would devote himself to advancing a number of strategic university priorities, including continuing to advance the university's research, development and delivery portfolio in partnership with industry, and expanding UC's international presence through strategic partnerships with peer institutions in China, India, Mexico and Canada.

Under Dyne's leadership, all three UC-managed national laboratories' contracts were competed for new managers.

"I'm proud that the University of California continues to run the national labs," he said. "We have a moral responsibility to run the national labs. I'd rather be inside the tent on the national labs than outside the tent."

Dynes, who began his presidency by eschewing the trappings of a traditional pomp and circumstance inauguration ceremony in favor of a statewide tour to meet faculty, staff, students and community leaders at each of the systems 10 campuses, will end it by doing the same: He will spend his last months in office visiting campuses and California communities, helping to facilitate continuing conversations about how the university can best help to meet the long-term needs and challenges of California.

"It has been a distinct privilege to know and work with Robert Dynes," said Board of Regents Chairman Richard Blum. "During his time of leadership, the UC community has continued the journey to an even better university. Initiatives have been launched to begin addressing critical problems in the areas of diversity, K-12 educational disparity and salary gaps. And we have laid the groundwork for the restructuring of the University's administrative infrastructure to create a more effective and efficient organization."

During Dynes' presidency, the university stabilized state funding under a budget compact forged early in his presidency with Gov. Arnold Schwarzenegger. In addition, it swept three Department of Energy national laboratory management competitions, two of them as part of a public and private partnership. The university also forged stronger ties with industry, with a focus as much on the delivery of benefits to society as on research and development; opened the nation's first new research university in a generation at UC Merced; and launched a K-12 science and math initiative designed to ensure that future U.S. workers have the science literacy needed to keep America competitive. This program has become a model for the nation, and was the basis for congressional testimony by Dynes earlier this year in support of the America Creating Opportunities to Meaningfully Promote Excellence in Technology, Education and Science (America Competes) Act.

The regents will name a new president after a national search, and a search committee of regents will be appointed soon by Blum.

For speeches, achievements and other additional information about Dynes, go to the Web at http://www.universityofcalifornia.edu/dynes/pressrelease.html.

i.want ads

Due to the high quantity of ads and space limitations, these want ads have been abbreviated. For the complete ad listings, refer to the internal Website: http://www-r.llnl.gov/pao/news/ wantads.html or for the latest pdf download and retiree information, see the external Website: http://www.llnl.gov/pao/employee/. Please note that these ads appear on the Web.
Date of ads: Approx. Aug. 7 to Aug. 14. Ads appear on the Web for seven days.

Automobiles

1984 GMC Jimmy – diesel. $2,000. Full sized J6.2L. 210,000 miles. 925-989-2192

1990 Honda Accord LX. $2,000. 4-door. 143K+ miles. 1 owner, non-smoker. 925-828-3268

1992 GMC Vandura customized van. $2,800 OBO. 74K original miles, custom interior 925-980-0120

1994 Tempo. $1,150. Good condition. AT, AC, all power 105,000 miles recent work, all reciepts. 209-982-5168

1995 Jeep Grand Cherokee Laredo. $3,800 OBO. 2WD, 6 cyl automatic. 925-765-4404

1999 Nissan Sentra GXE limited edition. $4,950. 69K miles. CD audio, power dooors, 925-454-0478

2001 Lexus ES300. $12,900 OBO. 88K mi, coach edition, original owner, no smoking, 209-518-2156

2002 Acura RSX-S. $10,200. White, 6 speed manual transmission, runs/looks great, completely stock, 209-524-0904

2002 VW Jetta GLS 1.8T. $12,000 OBO. Super car, in excellent condition. 510-652-1994

2003 Chevy Malibu. $7,000. OBO. White w/ grey cloth interior. PS,PB,PW,PL, 925-373-0483

2003 Subary Legacy Outback Wagon AWD. $11,200. 78K miles, clean title 925-408-6262

2004 Carrera Cabriolet. $59,500. Seal gray metallic w/ black top, options: 30,000 miles. 210-865-6009

2004 Ford Taurus $9,000 OBO. 4 door, maroon color. Good condition, new tires and 44K miles. 925-294-9651

2004 Mini Cooper, yellow/black. $15,600. 4-cyl. 1.6 liter, liquid yellow with black roof 925-980-9462

2004 Mitsubishi Eclipse Spyder GTS Convertible. $18,000 OBO. 925-699-4251

2004 Tahoe 4WD. $23,500. Loaded burgundy Z71 50,400 miles. 925-922-6119

2005 Ford Escape XLT. $18,500. V6 3.0, liter, AT, 4WD, 25K miles, loaded, excellant condition. 209-835-6261

2005 Mazda 3 hatchback. $14,500. Great commuter car, excellent gas mileage, 925-234-5843

2006 Ford Mustang GT Coupe Premium. $22,000. Automatic, 24k miles, 925-200-9204

2000 Volvo V70. $7,500 OBO. Yakima roof rack/ storage pod/bike racks; Alpine CD changer, 925-372-8758

Chrome wheels for 2002 PT Cruiser (3). $100. 5 lug, 209-951-0115

Mercedes S500. $34,000. 2001, black on black, 63,000 miles, 925-373-4791

Rims. $250. American racing 16" 5 lug pattern. Excellent condition. 925-292-8810

Spare tire carrier. $95. Swing-away for small Chevy/GMC Blazer. Might be able to modify. 925-443-1715

Bicycles

Boy's 20" bicycle. $25. Great condition. Has hand and foot brakes. Located in Livermore 925-454-0877

Girl's princess bicycles. $25 each. 2 bicycles. Suitable for 3-6 year-old child. 209-815-0046

Miyata 54cm touring bike. $300. model 615, 8 speeds, Shimano components. 925-454-0877

Schwinn bicycles. $50 each. Men's Continental w/quick release hubs. Women's World Sport. 925-998-2048

Boats

Hollowform Kayak. $250. 13 foot tough resilient, roomy (compared to play boats) 925-961-1517

Electronic Equipment

36" Sony Trinitron TV surround sound. $750. Comes with 500 watt Sony surround sound. 209-568-6200

CAMERA-Canon PowerShot. $100. With image stabilization. 10x optical zoom, 3.2 mega pixels. 925-455-0515

CD jukebox. $40. Sony MegaStorage 300 Disk CD changer/player. Digital and analog outputs. 925-398-0545

Centipede machine. $1,100. 1980 Atari, great cond. 209-221-7856

Computer monitor & fax/copy machine. Futura 18" monitor, $30 OBO; Panasonic Fax/Phone/ Copier. $50 OBO 510-792-1538

Crucial 2x1GB PC-8500 DDR2 memory. $100. 2 240-pin DDR2 Memory modules. 925-548-1989

DVR (TIVO). $50. Two Direct TV receivers and remotes. 925-443-5549

Electronic estate sale., 21172 Aspen Ave., Castro Valley, Aug. 18-19 & Aug. 25-26, 9 a.m.-5 p.m. 510-537-3250

Kenwood/TEAC stereo plus speakers. $40. Amplifier/tuner plus a TEAC cassette player with two SONIC floor speakers. 925-449-2099

Lexmark printer. $20 OBO. X83 Color Ink Printer/Scanner/Copier with manuals and software. 925-449-5481

Ms. Pac Man machine. $1,400. 1981 (cocktail sytle), great condition. 209-221-7856 or 510 331-2849

Tektronix 2465 300MHz 4 channel oscilloscope. $300. Nice 2465 with option 11. 925-455-4484

Giveaway

Big split-level computer table & chair. Plus old worn office chair. Take both please. You haul, Livermore. 925-449-3165

Free futon and desk. Good condition. Free desk. Great starter desk for children's room. 925-454-0825

Free ink cartridges. Xprint ink cartridges - Epson Stylus Compatible: For use with: C68/ C88/CX3800/CX3810/CX4200/4800/CX5800/ CX7800. 925-998-2048

Men's bicycle. Older bike, in good running shape. Needs rear tube replaced (flat). 925-930-6820

Queen bed. Free queen size mattress and box spring. Also have Costco foam top that can go with it. 925-443-8585

Rockwell table saw. 12-inch with stand and side extensions. 925-961-1517

Household

Entertainment center. $150 OBO. Honey maple color. Holds stereo system components, 510-792-1538

Computer desk. $50. 209-239-5778

3-piece couch set. $700. Levitz, Very Good Condition, sage green w/tan trim. 209-221-7856 or 510-331-2849

Medela 'Pump in style, advanced' breast pump with all accessories and original packaging. $125. Baby Bjorn, good condition, $25. 925-456-5621

Baby Items. $25 each. Graco automatic swing, Exersaucer, Combi stroller, highchair. 925-683-1047

Bassett mission style bedroom set. $800 Queen size. 209-568-6200

Beautiful solid wood ladder bookcase. $145. 925-640-5469

Bed box-spring (twin) & air-conditioner (in-window). $30 each OBO. 925-960-0313

Bunk beds & trundle. $375. Solid light maple bunk beds by Stanley (Young America- Tranqulity). 925-519-1881

Cal King Mattress $200 obo Serta Grand Sonata brand. Only used 1 year - like new. 925-443-8354

Ceiling lamp. $50 Hanging stained glass, ceiling mount. 5 lamps and one downlight. 925-398-0545

Computer desk. $190 OBO. Tower, American-made, oak, with 2 drawers + 1 file drawer, 60" x 25" 925-447-7082

Custom curtain. $150. Ethan Allen. Just like new and easy to install. 925-449-2099

Dishwasher. $100. Kenmore Model 665 Ultrawash with Quietguard. 24" built-in, black finish. 925 398-0545

Disney Winney the Pooh Garden & Wheelbarrow set. $30. 925-648-0671

Dresser. $25. 4 drawer dresser, good condition, dark laminate. 925-706-2088

Furniture & appliances moving sale. Lots of furniture. Bedroom set, crib and dresser and more. 925-784-2717

Glass and wood display cabinets. $150 each. 209-568-6200

Oak bookcase. $50. 4ft wide by 5ft high, excellent condition. 925-426-8452

Lounge chairs. 2 for $50. swivel, rock, recline, blue, very good condition. 925-308-7025

Marble fireplace. Gorgeous, cream color. Only asking $1,900 BO. New in crate. 925-461-5045

Mirror. $25 OBO. 24in-by-36in with gold frame. 925-447-2905

Playskool Peek N Play Discovery Mat. $15. 925-648-0671

Queen Sealy Posturepedic mattress. $300. Excellent condition. 917-684-3300

Recliner. $200 OBO. Fabric recliner in medium brown tone has heat and vibrating function, 510-792-1538

Rice cooker & butcher block. $75 & $50. Panasonic electronic rice cooker/warmer, Round maple butcher block. 925-606-7422

Sharp Carousel microwave. $20. White and in very good condition. 925-449-2099

Soccer ball humidifier. $15. 1 gallon with auto off function. 925-648-067

Solid oak bedroom set. $495. Twin size--includes trundle bed with two mattresses, bookcase headboard and armoire. 925-243-9123

Apartment package: Magnavox TV, $60; AT&T 2Wire WIFI router DSL modem, $45; coffeemaker, $20; AT&T 2xhandsets cordless w/answer system, $55; cordless sweeper, $15; toaster, $18; iron, $10; hairdryer, $15. 510-652-1994

Three Tiffany lamps. $90. Two table top lamps and one for the ceiling. 925-862-0955

Walnut desk. $45. 36" X 70" by 30.5" high. One drawer. On casters. Will deliver in Livermore. 925-245-9648

Lost and Found

Found: men's jacket in a bicycle basket Aug. 3 at East Gate. Call 4-4725 or 925-513-4488

Miscellaneous

4 Disney Ratatouille movie child certificates . $12. 925-648-0671

California Speedway (Labor Day weekend) race tickets. $620. 4 tickets; both Saturday & Sunday races 925-548-4251

Christmas decor. 925-640-5469

Christmas tree. $50. 10 ft., used once, excellent condition. 925-308-7025

Disneyland/California Adventure. $100. One Adult (age 10+) 2-Day park hopper pass for Disneyland & California Adventure. 209-839-8120

Entry door, 2 matching double pane windows, bathroom mirror. $50 each. 510-638-1836

Fuel pump. $40. Tank unit . 925-735-6002

Globe. $10. 12-inch diameter made by George F. Crane Company. 925-245-9648

Graco baby dual stroller. $75 Blue. 925-784-2717

Jerry can. $30. for gasoline. 925-998-2048

Kids clothing. $1 each. Kids clothes, boys and girls 2T, 3T and 4T. 925-784-2717

Pure Med spa certificate. $25. Good for spa services at any Pure Med Spa located in malls. 925-648-0671

Rolling file drawer. $35. Two-drawer metal and glass drawers with seat cushion top. 925-640-5469

Santa Cruz Beach Boardwalk. One day unlimited rides. $15 each. Expires 10/21/07. 925-648-0671

Similac w/iron Powder infant formula. $10 per can. 209-499-3633

Skeleton model. $30. Plastic model, 32 inches tall. 925-245-9648

Spa. $100 OBO. Portable, Fountain Valley, 115v, energy effecient foam filled. 925-443-8585

Tire. $75 OBO. New tire on rim,205/75/15 925-73- 6002

Weight machine. $150 OBO. marcy weight machine lots of differet excercises. 209-543-9669

Motorcycles

1997 Honda CBR900RR. $4,000 OBO. Erion Racing colors-Flourescent Red and Black -17" 925-518-4885

2005 Yamaha TT-R125E. $1,600. Very clean and well maintained. 209-823-4687

Dirt bike. $3,000 OBO. 2006 Honda CRF150F . 209-669-7559

Honda Four Trax Quad. $1,000. 1990, good condition. New 2-year registration. 925-447-6784

Musical Instruments

Piano. $2,250 OBO. Antique 1903 Chickering studio upright in very good cond, 925-634-9973

Pets

Dachshund puppies. Miniature, AKC registered, 3 males & 2 females. 209-456-2775

Dwarf Flag Cichlids (7). $30. Peaceful young adults, including a breeding pair. 925-408-8187

Free cat . Buddy is a one-year-old, neutered male rescue cat. Extremely friendly and playful and gets along with everyone. 925-997-1046

Free cats. Healthy, neutered, indoor cats. One pure white with blue eyes. 650-714-1612

Free kittens. Black and white very friendly kittens 2 months old. Free to good home. 925-525-5913

Recreation Equipment

Golf club. $120. King Cobra X/Speed 460cc Titanium Driver. 8.5 degree loft, Aldila NVX Stiff Shaft. Brand new with headcover. 925-462-9455

Ridesharing

Vanpool. $160. Leaving Montclair at 7 a.m. Arrives at Lab 7:45 a.m. Call 4-6215 for more details. 510-531-4399

Shared Housing

Room for Rent. $675. I am looking to rent 2 rooms out in a 3bd 2bath house in Livermore to Christian males 21-40. 925-980-2003

Room for rent. $800. Furnished master bedroom and private bath available to rent in adult gated community in Brentwood. 925-447-6515

Room for rent in Livermore. Great place for intern. $600/mo. Large room in 2 bed/1.5 bath condo; 925-216-6059

Shared Housing. $600 + 1/3. Responsible, stable roommate share house w/2 women (share bath with one). 925-321-3142

Small furnished room. $450/month. For rent near LLNL. Available around Aug. 10. share utilities + deposit. No pets, smoking, guns, or stereo. Male preferred. 925-455-6044

LLNL employee needs local housing. Adult, male, no cats in household. 702-299-5159

Trailers

Desert Fox. $18,500. 2004 21SW toy hauler, used less than 10 times. 925-516-8339

H&H Box trailer. $5,300. Black & white checkered flooring, painted interior, low miles, excellent condition. 925-373-8244

Utility trailer. $100. Craftsmen pull-behind farm utility trailer w/dump bed; good condition. 925-447-6784

Trucks

1989 K1500 GMC pickup. $2,500. 4.3L V6 great for young person's 1st truck. 5 speed and geared for good MPG. 209-823-0246

Vacation Rentals

3BR or 2BR timeshare in Palm Springs/ Orlando. $1,200 OBO. Rental price is for 7 night's stay. P 209-321-1506

Arnold cabin. Cozy mountain cabin , 4 bedr, 2 bath. 925-245-1114

Kona Hawaii vacation rental home. Large, secluded, fully-equipped home on Kona Coast of Big Island of Hawaii. 415-377-5361

MAUI - house exchange Live on Maui for a year - fully furnished home in Kihei. Exchange with similar home in Livermore area. 925-443-8354

Maui HI. Rental $625/wk. Recently updated resort available for 7 nights. 925-519-0510

Maui, HI Kahana Reef oceanfront 1BR/1BA condominium. Beautiful two-island view, oceanside pool, and BBQs. 925-449-0761

Santa Cruz beach house. In Santa Cruz, near harbor. 2 bedr, 2 bath, fully loaded kitchen, spa. 4 short blks to ocean. 925-245-1114

Tahoe vacation rental. $650/wk. South Lake Tahoe. Sleeps 6 comfortably. Pets welcome. Three blocks from Tahoe Queen & lake. 925-556-9511

Wine country rental. $150/night. Country Cottage with 3 bedrooms, 1.5 baths, sleeps six comfortably. 925-513-4767

Wanted

Wanted, used playhouse for my kids. 925 449-4342

Looking for apartment in Livermore. I am having a very hard time finding an apartment in my price range or that accepts small dogs. 925-413-0675

Plumber needed. Need someone to replace old electric cooktop with new gas (propane) cooktop. 925-447-4830

Special needs babysitter. Responsible college or high school student needed to babysit 15 year old boy with autism 2-3 afternoons a week from 3-6 p.m. Great pay. 925-443-3396

Wanted. moving boxes. I'd be happy to take them off your hands. I live in Livermore. 925-454-9224

Recliner Lift chair for 5'6", 200+ lb. person. Dark green or brown cloth covered preferred. 209-951-0115

PEOPLE NEWS

NIF sponsors 2007 HOME Campaign

Since 1974, employees have been generously donating their time and resources to many local charities through the HOME Campaign. These charities count on the Laboratory's support to help improve the quality of life within the communities where employees live and work. This is a year of change, but with employee support, the goal to help the community with the HOME Campaign remains the same.

In 2006, the National Ignition Facility (NIF) Programs Directorate sponsored the Run for HOME, which kicks off the Laboratory's annual HOME Campaign. This year, NIF is coordinating the HOME Campaign, with Dustin Riggs serving as the HOME Campaign chair. Shelia Williams and others are leading the effort for the Run for HOME and the agency fair kick-off event that will take place on Wednesday, Oct. 31.

This year's goal is to increase participation across every directorate for a total LLNL participation of 35 percent. To help meet this goal, the electronic donation system will be available again to employees starting Oct. 31, immediately following the Run for HOME.

As the campaign begins, employees will have the opportunity to learn more about the agencies represented in the HOME Campaign and to volunteer to support a variety of "At HOME in our Community" projects. Specific project details will be provided in *Newsline* and on *NewsOnLine*.

In this new era of change, employees can make a heartfelt difference in our communities and in the lives of others.

Visit the 2007 HOME Campaign Website at https://home.llnl.gov/

In memoriam

Jack Oliver

Jack Oliver died peacefully in his home on Aug. 7. He was 90.

In 1934, Oliver made his own 35-mm movie camera and used this new camera to film Tracy's Frontier Days; a film that was previewed at the Grand Theater in Tracy. This early interest in photography led him to pursue this passion in a variety of forms for the rest of his life.

As a Navy airman veteran of two wars (WWII, Korea), he survived three aircraft accidents. He was a radio/radar operator on the first radar-equipped TBMs. After Korea, he joined the Laboratory in 1952. At the Lab, he operated high-speed photographic equipment; later he maintained the early high-speed computers.

After retiring from the Lab, he restored and installed theater pipe organs; one in his home, and many throughout the Bay Area. Turning to his photographic and electronic wizardry, he began using video cameras to record the organ restoration process. This expertise then led him to a long (three decades) and rewarding second post-retirement career at Tri-Valley Community Television, CTV30, as their engineer.

While at CTV 30, he acted as a generous benefactor with personal donations of broadcast-quality capabilities, making possible the first live news broadcast by a public television station. With his technological and electronic capabilities, the local channel went from a single one-half hour program in 1976 to three channels of programming devoted to the Tri-Valley.

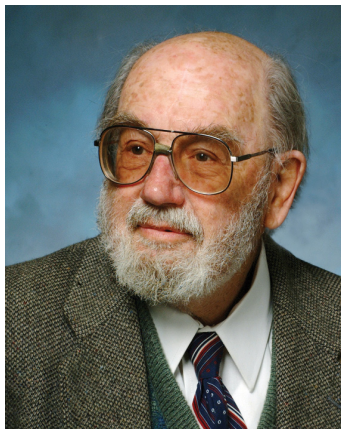
To help bring even more local news to the valley, he created a mobile studio that recorded city council meetings and major events.

Oliver is survived by his children: Sterling Oliver and wife Sue, Buckley Oliver, and Suann Shumaker and husband Dan; grandchildren Debra Stokes, Thomas Oliver, Erik Shumaker and wife Heather, Michelle Oliver, and Gregory Oliver; three great-grandchildren, and five great-great-grandchildren. He was preceded in death by his wife, Bette Oliver.

A memorial service will be held at Callaghan's Mortuary, 3833 East Ave., Livermore at 1 p.m. Friday, Aug. 17. In lieu of flowers, donations may be sent to Hope Hospice, 6500 Dublin Blvd., Suite 100, Dublin, CA 94568, in memory of Jack Oliver.

James Wilson

James Wilson was revered as an innovative researcher, a supportive mentor, a self-proclaimed independent operator, and an avid mountain climber who conquered the Himalayas. He became such a Laboratory icon that his name was once a trivia contest answer at Defense & Nuclear Technologies' annual picnic.



James Wilson

Earlier this year, Wilson was diagnosed with Burkitt's lymphoma, a rare and unusual form of cancer. He died Tuesday at 5:45 a.m. at age 84, while hospitalized in Walnut Creek. Wilson was predeceased by his wife, Demetra, but is survived by five children.

After initially working on the Manhattan Project, Wilson began employment as a physicist at Livermore in 1953. More than a half-century later he was still as deeply embroiled in his research in B-Division as ever — despite an official retirement nearly two decades earlier.

During the late 1960s, Wilson initiated work in numerical relativity, which explores the computational aspects of general relativity and its applications for cosmology, astrophysics and gravitational wave physics.

Beginning with one-dimensional codes and later working with two- and three-dimensional codes, Wilson applied Einstein's complex, nonlinear partial differential equations to advance understanding in astrophysics.

Over three decades, he developed several codes that work on the Lab's supercomputers to model a variety of phenomena. Wilson developed the first results of relativistic gravitational hydrodynamics and his most controversial work covered neutron-star binaries.

While much of his work focused on primary design within the classified community, he made substantial contributions to unclassified research in both aerophysics and astrophysics. Wilson was perhaps best known publicly for his supernova calculations, proposing how one works and why it explodes.

Wilson collaborated with Livermore physicist Dave Dearborn and Grant Matthews from the University of Notre Dame on how stars are destroyed by a black hole at the center of the galaxy, modeling these events using both a general relativity code and the Djehuty stellar evolution code.

Wilson's scientific accolades were notable. He won the Marcel Grossman Award for creating a new testing ground for novel concepts of relativistic astrophysics built upon on his experience in nuclear physics, thermonuclear reactions and extensive numerical simulation.

Last year, he was awarded one of the highest honors a physicist can receive, the Hans Bethe award, symbolizing both peer admiration and recognition of exceptional accomplishments by colleagues of the American Physical Society.

This was an exceptionally fitting award, and personally gratifying to Wilson, who was a good friend and close collaborator with Bethe. Bethe was one of the greatest 20th century physicists, head of the theoretical division of the Manhattan Project, and recipient of the Nobel Prize in 1967 for explaining the nuclear burning cycle of stars.

Friends are invited to three Livermore events in Wilson's memory on Aug. 20, a 10 a.m. mass at St. Michael's Church, 458 Maple St.; a noontime service at the Unitarian Universalist Church, 1893 N. Vasco Road; followed by a 1:30 p.m. lunch at Beeb's, 915 Club House Drive.

NEWSLINE

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Academy prepares instructors to teach science

By Nancy Garcia
Newsline staff writer

Next summer, 13 teachers are expected to fill six-week-long research internships at the Laboratory as part of the Teacher Research Academy, an Edward Teller Education Center (ETEC) program to improve science literacy in schools.

The teachers have all been through three levels of preparatory training totaling almost three weeks, and will be spread among research programs in the life sciences, fusion research and energy and the environment.

The impetus, said program designer Stan Hitomi, is a number of studies showing many teachers are not prepared to teach science, especially life science or physical sciences, and the intent to retain those who are. A primary emphasis, he said, is on reaching instructors in the Central Valley, who have fewer opportunities for such programs.

Hitomi is currently a San Ramon Valley Unified School District administrator in charge of math and science education. He ran teacher education programs at the ETEC from 2002-2006. Prior to that, he taught math and science for 17 years in grades 6-12, and has been an educator for 24 years.

Along with Tracy educator Kirk Brown, he carried out the final level of preparatory instruction in the academy this summer. Twenty teachers from as far as Hawaii and Nevada covered such topics as the scientific process, conducting literature searches, how to keep a laboratory notebook and mentoring student projects.

This preparation will help the teachers' future research mentors, he said, so the teachers will be more productive sooner in their research internships.

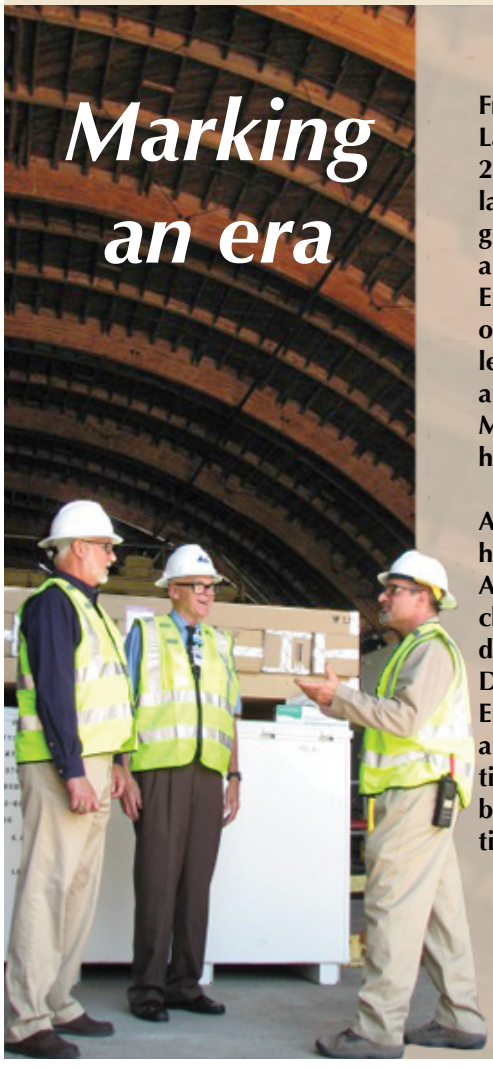
Meanwhile, prospective mentors seem energized at the prospect of sharing their excitement about their work. At the end of the 2008 internships, all the teachers will be expected to present their investigations in poster sessions with their peers, describing how it will influence their teaching.

JACQUELINE MCBRIDE/NEWSLINE

Teachers Ethan Schnell of Amador Valley High School and Jill Carlson from Dougherty Valley High School work on a biophotonics lesson in July as part of the Teacher Research Academy.

"There have been many different programs over the years," Hitomi said about bringing instructors to the Laboratory for enrichment. "This is designed to ensure that what they do leads back to the classroom."

For information, go to the Web at http://etec.ucdavis.edu/academies/model.lasso.



From left: Jay Davis, Hans Mark and Craig Lambert of Plant Engineering visit of Bldg. 212, which has been slated for demolition later this year. Mark, a physicist who led programs at Livermore in the 1960s, is currently a professor and John J. McKetta Centennial Energy chair in engineering at the University of Texas in Austin. Mark was the P Division leader, working in Bldg. 212, in the 1960s and Jay Davis led the division in the 1980s. Mark is gathering material for a book about his science career.

After leaving the Laboratory, Mark served as head of NASA Ames; secretary of the U.S. Air Force; deputy administrator of NASA; chancellor of the University of Texas; and director of Defense Research Engineering. Davis was associate director of the Earth and Environmental Sciences Directorate at LLNL and later headed the Defense Threat Reduction Agency (DTRA) at the Pentagon. Lambert is the project manager for the demolition of Bldg. 212.

DON JOHNSTON/NEWSLINE

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